

SHSD Job Risk Assessment

Job Number or Job Identifier: SHSD-JRA-09 Job Title: Inspection of Construction Projects and Contractor Activities.	Point Value → Parameter ↓	1	2	3	4	5	
Name(s) of Risk Team Members: K. Krasner, E. Lacina, J. Peters, A. Piper, R. Travis	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift	
Job Description: Inspections of construction projects and contractor activities inclusive of renovation, demolition, maintenance, and construction site inspections.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability	
Training and Procedures List (optional): See Controls Section.	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple	
Approved by: R. Selvey Date: 4/5/06 Rev. 0		Stressors (if applicable, please list all): Inclement Weather, which includes, ice/snow, high winds, excessive heat or cold, wet/damp conditions.			Reason for Revision (if applicable): N/A		Comments: N/A

		Without Controls						Before Additional Controls							After Additional Controls						
Job Step / Task	Hazard	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Driving to and from the inspection site	Motor vehicle accident, striking a fixed object or pedestrian/wildlife	1	5	4	3	60	See BNL Site Level JRA-Driving	Y	1	5	4	2	40								
Fueling motor vehicle	Fire, explosion, burns, exposure to gasoline fumes	1	3	5	2	30	Vehicle design, fire suppression systems, pump design, authorized personnel, postings/warnings	Y	1	3	5	1	15								
Fueling CNG equipped motor vehicle	Fire, explosion, burns, high pressure injury hazards	1	3	5	2	30	Vehicle design, fire suppression systems, pump design, GNC vehicle specific training, postings/warnings, authorized users	Y	1	3	5	1	15								

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Inspection of Construction Site/Contractor Activities	Ionizing radiation exposure	1	2	2	2	8	RWP, postings, training	N	1	2	1	1	4							
	Non-ionizing radiation exposure (e.g.: lasers, welding, etc.)	1	3	4	3	36	PPE, postings, permits, health & safety plan, work planning, applicable permits	N	1	3	4	2	24							
	Slips, trips, falls on ground level	1	5	3	3	45	PPE, postings, housekeeping, temporary lighting, awareness, physical barriers	Y	1	5	3	2	30							
	Falls from elevated locations (e.g.: scaffold, platform, roof surface, etc.)	1	5	5	2	50	Fall Protection Systems (e.g.: guard rail system, physical barriers, perimeter protection, full body harness, etc.), ladder safety training, competent person, floor opening covers, housekeeping	Y	1	5	5	1	25							
	Chemical exposure	1	3	3	3	27	Postings, MSDS available at site, health & safety plan, Hazcom training, PPE, housekeeping	N	1	3	3	2	18							
	Exposure to fibers (e.g.: asbestos, fiberglass, etc.)	1	3	3	3	27	Health & safety plan, postings, training, physical barriers	N	1	3	3	2	18							
	Exposure to hazardous substances (e.g.: mercury, lead, etc)	1	3	3	3	27	Health & safety plan, postings, awareness training, permits, physical barriers, work planning & controls	N	1	3	3	2	18							
	Exposure to energized systems (temporary lighting, portable lighting, powered hand held tools, etc.)	1	4	5	3	60	Training inclusive of NFPA 70E, postings, lock out/tag out, PPE, physical barriers	Y	1	4	5	2	40							

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Being struck by moving machinery/ equipment	1	5	5	2	50	High visibility clothing (reflective vests, etc), control zones, communication, back up alarms on vehicles, supervision, barricades, health & safety plan, trained operators	Y	1	5	5	1	25							
Exposure to fumes from exhaust of machinery/equipment	1	5	2	2	20	Ventilation, surveys, alternate equipment (e.g.: electric forklift), health & safety plan	N	1	5	2	1	10							
Noise exposure	1	4	2	3	24	PPE, training, postings, health & safety plan	N	1	4	1	2	8							
Dropped load from crane operations	1	4	5	3	60	Control zones, visual & verbal communication, supervision, barricades, health & safety plan, trained operators, postings, crane inspection, rigging equipment inspection, required PPE	Y	1	4	5	1	20							
Flying/Falling debris or objects	1	4	3	3	36	PPE, postings, health & safety plan, work control zone, work planning	Y	1	4	3	2	24							
Impalement from rebar or other impalement hazards	1	3	5	3	45	Required caps for rebar, housekeeping, awareness, physical barriers	Y	1	3	5	1	15							

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable

Further Description of Controls Added to Reduce Risk: None added
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Lessons Learned, Improvements, or Positive Outcomes of this Risk Assessment: Assessment indicated current operations are adequate.
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